

Module 4: Astronomy – The Solar System

Topic 5 Content: Lunar Geology Notes

Introduction

Lunar Geology

Introduction

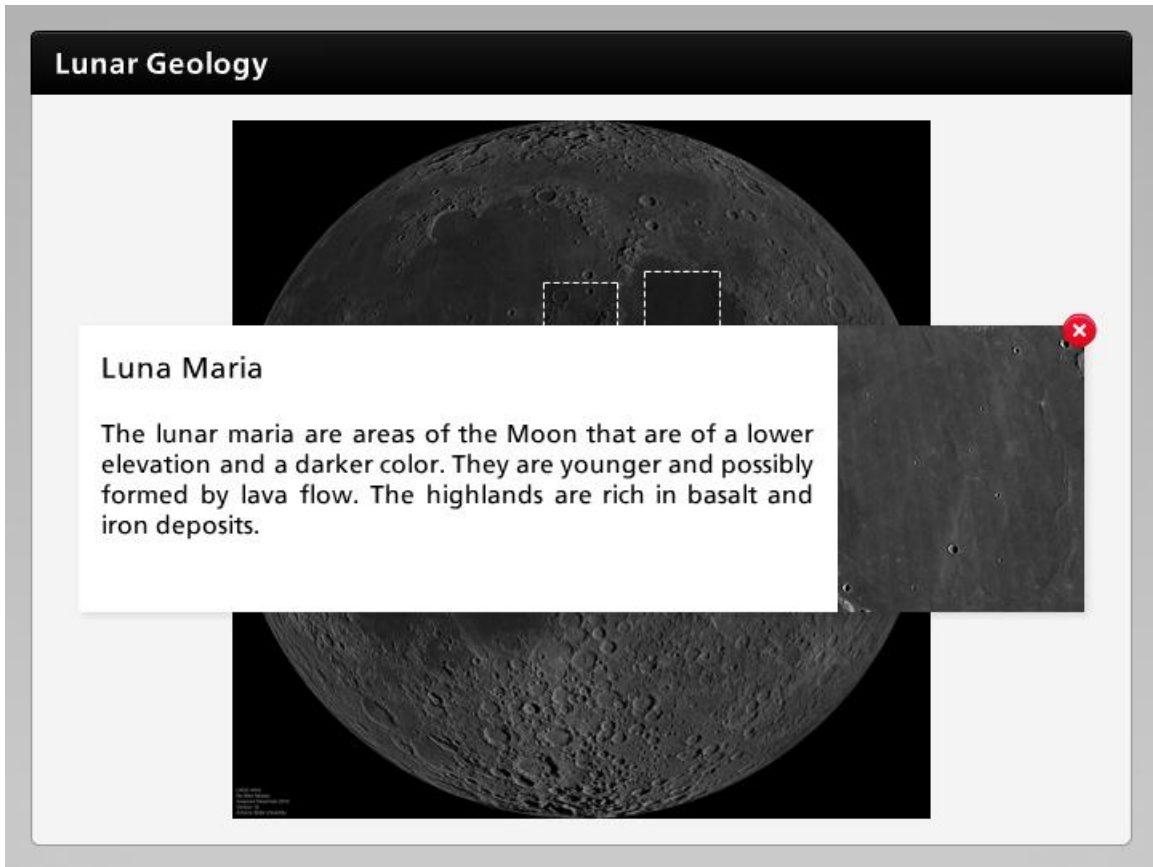
The Moon has several unique characteristics worth noting. The geology of the Moon is fascinating, so much so that there is a whole field of science devoted to its study: selenology. In this interactivity, click on each of the shaded boxes to learn more about the geology of the Moon.

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Luna Maria



The screenshot shows a presentation slide with a black header containing the text "Lunar Geology". The main content area features a large image of the Moon with two white dashed boxes highlighting specific regions. A white text box is overlaid on the image, containing the following text:

Luna Maria

The lunar maria are areas of the Moon that are of a lower elevation and a darker color. They are younger and possibly formed by lava flow. The highlands are rich in basalt and iron deposits.

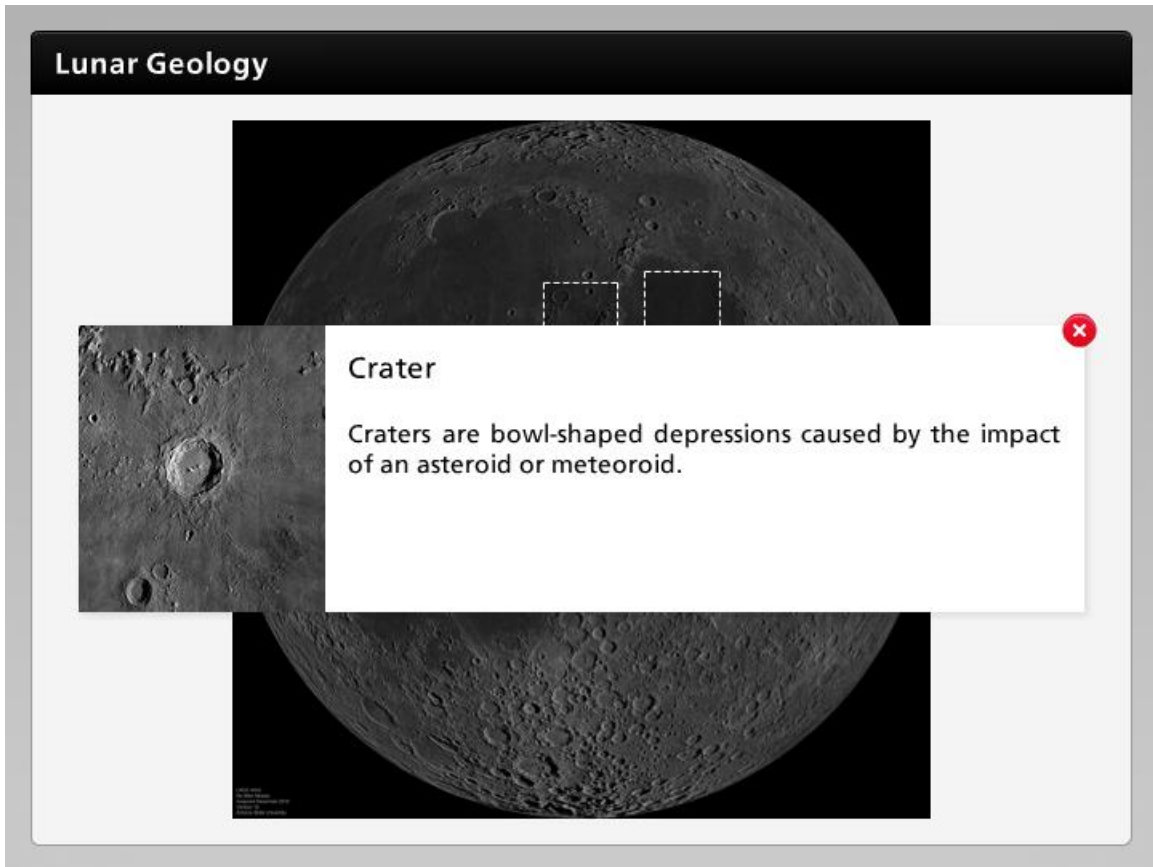
There is a small red 'X' icon in the top right corner of the image area, and some small, illegible text in the bottom left corner of the image area.

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Crater

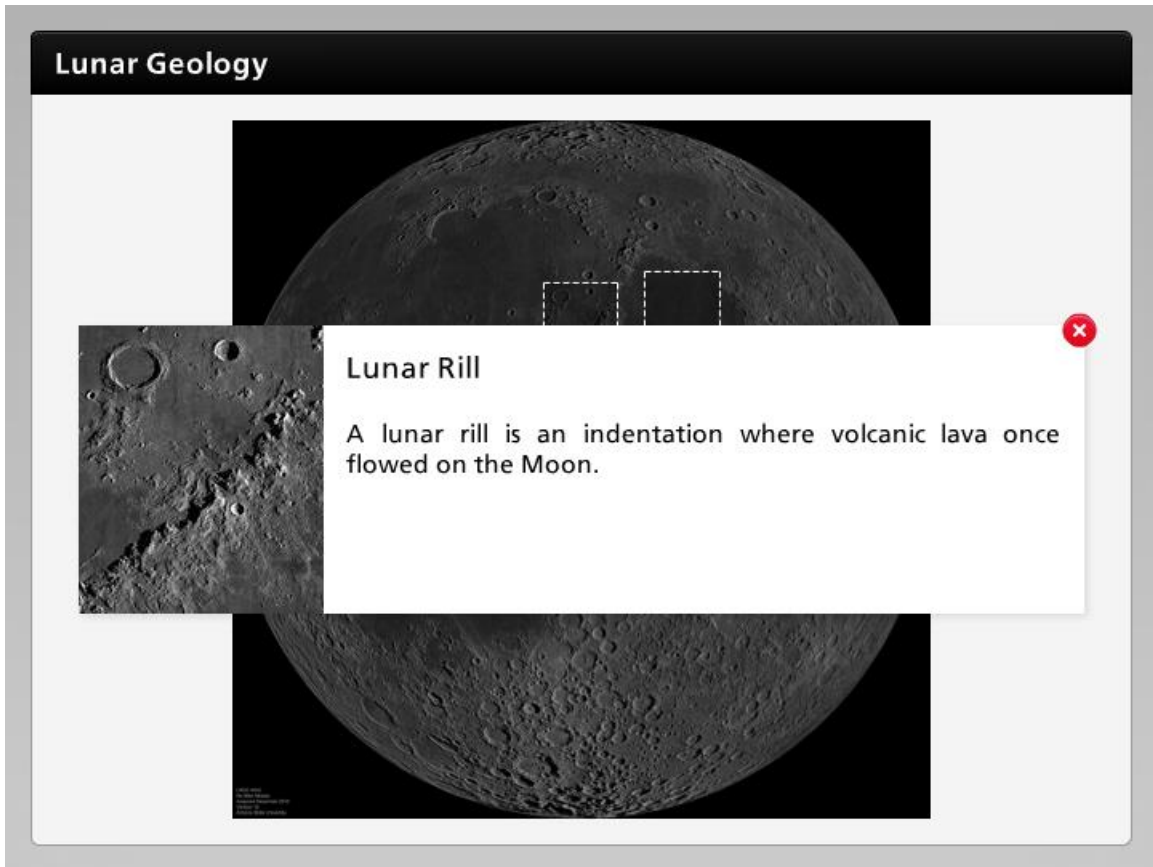


The image shows a screenshot of a presentation slide titled "Lunar Geology". The main background is a large, dark, cratered sphere representing the Moon. A white rectangular callout box is overlaid on the left side of the Moon. Inside this box, the word "Crater" is written in bold. Below it, a smaller inset image shows a close-up of a lunar crater. To the right of the inset image, the text reads: "Craters are bowl-shaped depressions caused by the impact of an asteroid or meteoroid." A small red circle with a white 'x' is located in the top right corner of the callout box.

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Lunar Rill



The image is a screenshot of a presentation slide titled "Lunar Geology". The main background is a large, dark, cratered sphere representing the Moon. A white rectangular callout box is overlaid on the center of the Moon. The callout box has a red 'X' icon in its top right corner. Inside the callout box, the text reads: "Lunar Rill" followed by "A lunar rill is an indentation where volcanic lava once flowed on the Moon." To the left of the callout box, there is a smaller, inset image showing a close-up of a lunar rill, which is a long, narrow, linear depression on the Moon's surface.

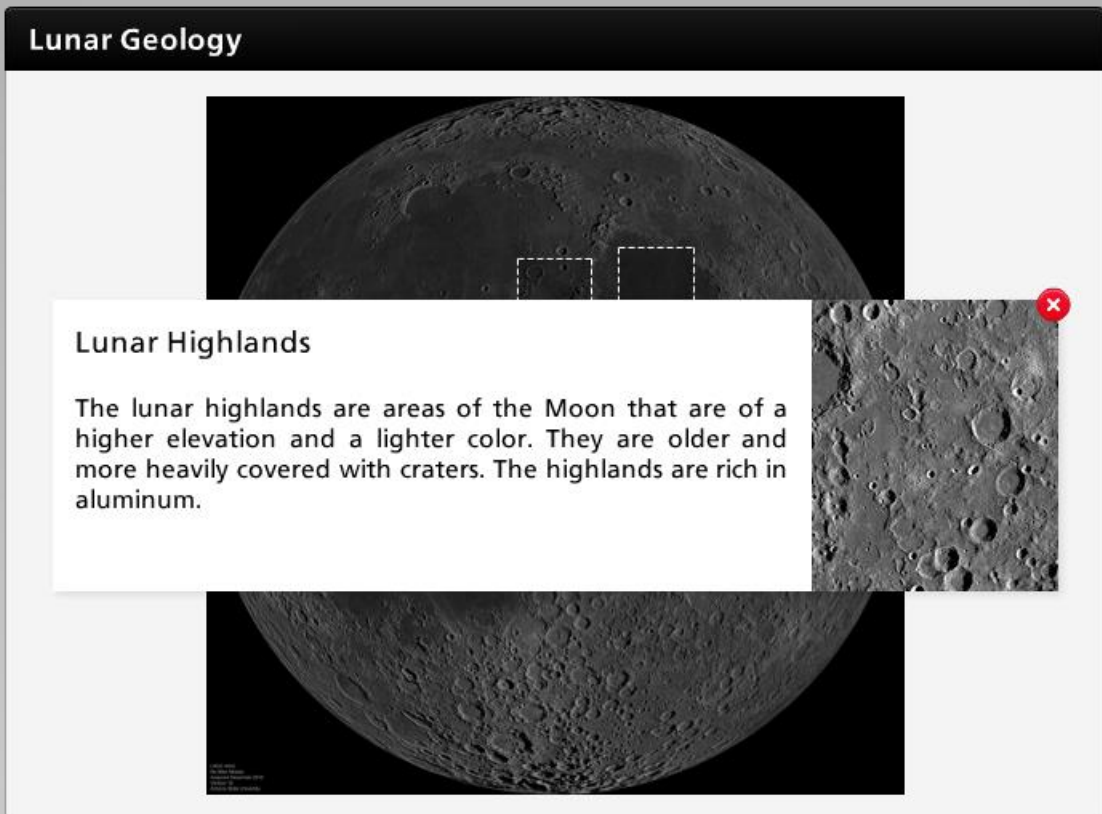
A lunar rill is an indentation where volcanic lava once flowed on the Moon.

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Lunar Highlands

Lunar Geology



Lunar Highlands

The lunar highlands are areas of the Moon that are of a higher elevation and a lighter color. They are older and more heavily covered with craters. The highlands are rich in aluminum.

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